

OM of: US-09-303-518D-465 to: Issued Patents_AA.* out_format : pfs
Date: Jun 30, 2002 6:52 AM

About: Results were produced by the Gencore software, version 4.5,
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Command line parameters:

-MODEL=firemap.n2p model -DEV=xlh
-O/cgn2_1/USPRO.spool/US09303518/r/unat.280622002.142713.4302/app-query.fasta.1.23501
-DB=Issued Patents_AA -OFMT=fastan -SUFFIX=ra1 -GAPOP=12.000
-GAPOP=4.000 -MINMATCH=0.100 -LOOPCL=0.000 -LOOPEXT=0.000
-GAPOP=5.500 -GAPOP=0.050 -XGAPOP=10.000 -XGAPEXT=0.500
-GAPOP=6.000 -XGAPEXT=7.000 -XGAPOP=10.000 -XGAPEXT=0.500
-DELOP=6.000 -DELEX=7.000 -START=1 -MATRIX=blomsun62
-TRANS=human40.cdt -LIST=100 -DOCALLIGN=200 -THR.SCORE=pcr-
-THR.MAX=100 -THR.MIN=0 -ALIGN=45 -MODE=LOCAL -OUTMT=pfs
-NORM=ext -HEAPSIZE=500 -MILEN=0 -MAXLEN=200000000
-USER=US09303518 -CGN1_1.279 -NCPU=6 -ICPU=3 -LONGLOG
-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -NO_XLPHY -WAIT -THREADS=1

Search information block:

Query: US-09-303-518D-465
Query length: 1671
Database: Issued Patents_AA.*
Database sequences: 231628
Database length: 24425594
Search time (sec): 185.890000

score_list:

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seq_name: /cgn2_6/ptodata/1/1aa/6B.COMB pep:US-09-210-361-4

seq_documentation_block:
; Sequence 4, Application US/09210361
; Patent No. 6284479
; GENERAL INFORMATION:
; APPLICANT: Nichols, Scott E.
; TITLE OF INVENTION: Substitutes for Modified Starches and
; FILE REFERENCE: 0357CR
; CURRENT APPLICATION NUMBER: US/09/210,361
; CURRENT FILING DATE: 1998-12-11

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; EARLIER APPLICATION NUMBER: 09/007,999
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: 08/478,704
; EARLIER FILING DATE: 1995-06-07
; EARLIER APPLICATION NUMBER: 09/009,620
; EARLIER FILING DATE: 1998-01-20
; EARLIER APPLICATION NUMBER: 08/485,243
; EARLIER FILING DATE: 1995-06-07
; EARLIER APPLICATION NUMBER: 09/008,172
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: 08/482,711
; EARLIER FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 1375
; TYPE: PRT
; ORGANISM: streptococcus mutans
US-09-210-361-4

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    Percent Similarity: 45.545    Percent Identity: 22.112

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alignment_block:
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114 CGTCGACATTTCGACCCGACGGGGAATAC..... 144
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145 ..... 153
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676 snTyrGlnAlaIleGlnThrLeuLeuLysAlaArgIleLysTyrValSer 692
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154 GGCAGACGGGGGAACTCCGACGGCAGCGTCAT..... 189
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693 GlYgLYglnAlaMetArgAsnGlnGlnValGlyAsnSerGluIleIleTh 709
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190 ..... 229
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230 TGTTCAATCCAGAG..... 270
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271 ATT..... 290
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291 CGGGACAGAGATGCATTCCTCCCTTC..... 322
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759 sLysAsnGlnAlaIleTyrArgProLeuLeuLeuThrTrhAspAsnGlyIleL 776
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819 rPvalProValGlyAla..... 826
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827 AspGlnAspValArgValAlaAlaSerThrAlaProSerTrhAspGlyL 843
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968 GluValAlaThr..... 971
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969 AGCTGTTCG... 1015
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1016 TCAAGCGGTGCGAGATG... 1062
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1015 uGlnAlaLysTyrProGlnLeuPheAlaArgLysGlnIle..... 1028
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1029 ..... 1034
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1289 AATACGATACGAGATTAATTAACCGCTGTACACAACTGAATCCTAATGAT 1338
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1062 eulysaspGlnAlaThrAsnThr.....TyrPheSerLeuValSer 1075
      |||
1339 GAACCGGCTCTTAACTCTAAAGTCTGTGCGATCGGCTCAT.....TC 1382
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1076 AspAsnThrPheLeuProLysSerLeuValAsnProAsnHisGlyThrSe 1092
1383 TTGGCTAATAACTGCCAGAAATTCATACGCAAAATTAACAGAGCAAGTA 1432
      |||
1092 rSerSerValThrGlyLeuValPheAspGlyLys.....GlyTyr 1105
1433 GAATACGATATATCCACCACTAAATAATTAACCTCCCTCAGACCGCTACCA 1482
      |||
1105 yValTyrTyrSerThrSerGlyAsnGlnAlaLysAsnAlaPheIleSer 1121
1483 AAGGACCTAATAATGATATTTGATTAATTTGTAATGATGACTAA 1532
      |||
1122 LeuGlyAsnAsnThrTyrTyrPheAspAsnAsnGlyTyrMetValThr 1137
1533 AGGTCATCAGACAACTAAAGCTCAGCAATTTGATG.....GATG 1573
      |||
1138 .GlyAlaGlnSerIleAsnGlyAlaAsnTyrTyrPheLeuSerAsnGlyI 1154
1574 TTCAATTGTCTAA.....ACAGAGAGAGAGCAACTTGGATG 1611
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1154 LeuGlnLeuArgAsnAlaIleTyrAspAsnGlyValLeuSerTyr 1170
1612 GCTAGTAGGATGCTAAG 1629
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1171 TyrGlyAsnAspGlyArg 1176

seq_name: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:US-09-199-637A-293

seq_documentation_block:
; Sequence 293, Application US/09199637A
; Patent No. 6355411
; GENERAL INFORMATION:
; APPLICANT: Ausubel, Frederick
; APPLICANT: Goodman, Howard M.
; APPLICANT: Rahme, Laurence G.
; APPLICANT: Mahajan-Miklos, Shalina
; APPLICANT: Tan, Man-Wah
; APPLICANT: Cao, Hui
; APPLICANT: Drenkard, Eliana
; APPLICANT: Tsongalis, John
; TITLE OF INVENTION: VIRULENCE-ASSOCIATED NUCLEIC ACID
; FILE REFERENCE: 00786/361002
; CURRENT APPLICATION NUMBER: US/09/199,637A
; PRIOR FILING DATE: 1998-11-25
; PRIOR APPLICATION NUMBER: 60/066,517
; NUMBER OF SEQ ID NOS: 437
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 293
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-199-637A-293
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  Ratio: 1.098         Gaps: 12
  Percent Similarity: 43.571  Percent Identity: 26.786
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Align seg 1/1 to: US-09-199-637A-293 from: 1 to: 262
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27 AlaArgGlnAlaIleAlaArgProGlyArg.....ValAlaGln 39
158 GCAGGGGGGAACTTCCGAGCGCAGCGGCTCATATTCGATTGG..... 200
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39 nGlyAlaGlyLysArgGlyGlnProAlaThrArgArgSerGlyLys 56
201 .....AAACATCAAAAGCCATCATGTTGGGCAACCTGTCATCA 239
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56 rProGlnArgArgGlyValAlaProGlyAlaGlyLys...ValHisArg 71
240 GCAGCGCGCATTAAGGAAATATCGGCTACATTTGCTCCGCTTTTCGATC 289
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72 ArgHisAspArgGlnAlaArgGlyArgGlnAlaIleArgProGlyAspArgSe 88
290 ACGGCGACGAGATCCATTCCCTCCCTTCGCAAAACATGCTCATTCGAT 339
      |||
88 rArgArgArg..... 91
340 TCTGATGAAGCCGCTAGTCCCGTTGACGATTCAGCCTTTACCGCATCA 389
      |||
92 .....AspProProAspHisPro 97
390 TTGGACGCGATACGAACATCCCGCGACGCGCTATGACGCGCCACAG 439
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98 GlyProAlaIleAlaAspGlnGlnProGlyAlaAspArgArgThrArg 114
440 GCGCGCGCTATCCGCTCCCAAGAGCGGAGGATATATACAGCTACGAC 489
      |||
114 gArgArgGlnAspArgHisArgArgGlyProGly.....ProAlaHis 129
490 ATAAAGGCGTTGCCCAAAATATCCGCT...CAACSTGACGACACACCG 536
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129 ISeGlnArgSerAlaGlyArgProGlnGlyGlnAlaProAlaValPro 145
537 CAGCACCGGACACGCGCTTGTGACCGCTTCCCAATACGCGTACTATGC 586
      |||
146 GlyHisGlyLys.....Al 150
587 TCAGCCAGAGATAG.....CGACGATTA...ACGGCCACCCGA 627
      |||
150 AspArgArgGlyGlnValProArgArgValArgIleThrProGlyLys 167
628 TACAGCCCGGAGCTGAGCATGCGGCAATGCGGCGAAGCTTTCACGCG 677
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167 LyrProGlnArgThrGlyGlnAlaGlyArgProGlyHisProValHisArg 183
678 CACTGCAGATATCTCAAAACATGATCGCGCGCAGAGAAATTTGTCG 727
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184 ArgThrAlaHisHisGlyArgArgGlnGlyArgGlyGlyArgGlyArg 200
728 GCGCAGCGCATGCGCTGCGAGGATTAAGCGAAG.....CTCAAC 768
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200 gArgGlnHisAlaGlnAlaGlySerGlyAlaArgArgAlaAlaLeuArg 217
769 ATTGCTGTATGACGCGCTTGGCTGCTTCCACCGA.....CAA 812
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217 rGlySerTyrThrProArgArgValSerProValHisArgGlyLysArg 233
813 GATGCGCGCATCAACGATTTGGCAGATATGCGCACTCAAAAGCTATG 862
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234 AlaGlyAlaProLeuProGlnGlyAlaGlyArgThrGlnArgGlyArg 250
863 CCGCAGCAGCATCCCGGATTTGGCGCATCAAAACCCCA 902
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250 gHisHisArgHisPro.....ProThrProGln 259

seq_name: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:US-09-413-814-78

seq_documentation_block:
; Sequence 78, Application US/09413814
; Patent No. 6225064
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646 ArgSer: ProAlaGly.....ValAlaValAlaArgGlyP 657
1232 CGAAGACCAAGTCCGCTTGGACGCTAAAGGCTTCCGAATTTTGAAAA 1281
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657 roGlyGlyArgAlaPro..... 662
1282 GAGGTAAATACGATACGAGAAATTAATACCGCTGTACACAGTGAATCC 1331
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663 ...ValLeuAspArgGlyAlaLeuGlyArgAlaAlaProGly..... 675
1332 TATAGATGAAACCGCTTTAATCTTAAGGCTGTGCGATCGGTCAT 1381
675 ..... 675
1382 CTGGTGTATTAAGTCCAGAAATTCATACGAAATTAACCAAGCAAGT 1431
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676 .....ProArgAlaGly 679
1432 AGAATCGATATATCCACCTAAAAATTAATCTCTTCAGACCGCTACC 1481
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680 ArgProArgAlaGlyArgAlaHisProArgAlaArgGlyAlaAlaGlyP 696
1482 AAAA.....GACCTAATTAATGATATTTGATTAAT 1513
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696 oArgArgArgGlyArgAlaHisProArgAlaArgGlyAlaAlaGlyP 713
1514 TTGGTAATGAATGAGCTAAAGTCCATCAGA 1545
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713 LysGlyAspLeuProLeuHisGlyProAlaArg 723
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seq_name: /cgn2_6/plodeta/1/aa/6B_COMB.pep:US-09-199-637A-351

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seq_documentation_block:
; Sequence 351, Application US/09199637A
; Patent No. 6355411
; GENERAL INFORMATION:
; APPLICANT: Ausubel, Frederick
; APPLICANT: Goodman, Howard M.
; APPLICANT: Rahme, Laurence G.
; APPLICANT: Mahajan-Miklos, Shalina
; APPLICANT: Tan, Man-Wah
; APPLICANT: Cao, Hui
; APPLICANT: Drenkard, Eliana
; APPLICANT: Tsonopolis, John
; TITLE OF INVENTION: VIRULENCE-ASSOCIATED NUCLEIC ACID
; FILE REFERENCE: 00786/361002
; CURRENT APPLICATION NUMBER: US/09/199,637A
; PRIOR FILING DATE: 1998-11-25
; PRIOR APPLICATION NUMBER: 60/066,517
; NUMBER OF SEQ ID NOS: 437
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 351
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-199-637A-351
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Ratio: 0.756 Gaps: 21
Percent Similarity: 36.364 Percent Identity: 23.890
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Align seg 1/1 to: US-09-199-637A-351 from: 1 to: 447

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7 ProAlaThrSerArgLysProArgValAlaGlyProAlaValAlaArgP 23
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23 oValProHisArgHisAlaProAlaGlyArgGln..... 35
199 GGAACATATCAAAAGCCATCAGTTGGCAACCTGTTCATCCAGCA..... 242
36 .....ProArgSerGly...ProValHisProAlaAlaPro 46
243 .....GGCGGCATTAAAGAAATATCGCTACATTTGTCGCT 280
47 SerThrAspProGlyGlyHis.....AspHisArgValArgGlnProG 61
281 TTTCGATCAGCGGCACGAGTCCATTCCTCCCTTCGAAACCAATGCCCA 330
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61 LysAspArgProGlyAlaGlnGlyArgCysLeuArg..... 73
331 CATTCGATTTGTATGAAGCCGCTAGTCCCGTTGACGATTCAGCCTTTA 380
74 .....Leu 74
381 CCGCATTCATTTGGACGAGTACGAACACC.....AT 411
||||| |||||
75 ProHisGlnThrGlyArgProArgSerLeuAlaGlyAlaGlyAsnArg 91
412 CCCGCCAGCGCTATGACGGCCACAGGGCGGGCTATCCCGCTCCCAA 461
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91 gProThrLeuAlaGlnProGlySerArgGlySerAlaGlyArgGlnProP 108
462 AGCGCGGAGGATATATACAGCTACGACATAAAGCGCTGCCAAATA 511
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108 roAlaArgArgVal.....AlaAlaAspAlaArg 117
512 TCCGCTCAACCTGACCGCAACCGCAGCAGCGCAACGCTGTCTGCAC 561
||||| |||||
117 gProAlaGlnProAspArgGlnAlaGlyAlaGlnProGlyAla.....G 132
562 CGTTTCCAAATACCGGTATGTCTGACGCGCAAGAGTAGGAGGAGGAT 611
||||| |||||
132 LysLeuHisGlnThr.....ArgValArgGlnArgGln 142
612 CAACGCGCCACCGCATACAGCCCGAGCTGSA..... 644
143 GlyThrGlyGlyAlaProAspProArgAlaGlyAlaThrTyrArgAla 159
645 ...CAGATCGGCAATGCCGCCGAAGCTTT..... 671
159 aValArgAlaGlyGlnLeuArgArgAspSerLeuArgAlaAspGlyLysA 176
672 .....CAAGGCACTGCGAGATAT..... 689
176 rGValLeuArgProGlnGlnArgGlnLeuHisTyrArgTyrArgGln 192
690 .....CGTCAAAACATCAT.....CGCGCGG 712
193 AlaGlyProValProGlyArgGlnArgThrHisProValProAlaArgSe 209
713 CAGGAGAAATGTT..... 725
209 rArgArgProAlaAspGlyHisAlaGlyGlnThrAlaProGlyAspProG 226
726 .....CGCGCAGCGAGTCGCGCGTACAGGATTAAGCGAAGGCTC 764
226 LysLeuGlyArgAlaArgGlyArgArgProAlaGlyGlyArgArgGln 242
765 AAACATTTGCTGTATGACAGCGCTTGGCTCTTCCACCGCAAAACAGA 814
243 CysAlaSerSerAlaProProThrArgThrSerProProlYsSerAlaPr 259
815 TGGCGGCAATCAACGATTTGGCAGATATGCGCACTCAAAACATATGCC 864
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259 oglyalaseralargthrsertthralaserthrsersercysa 276
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915 CATAGAGCCGCGATGCAATATCTTAAAGCGAGTACCCGCAAGGGA 964
293 Hisproglinalargthrsertthralaserthrsersercysa 309
965 TTGAGCTGTTGGGGAATA..... 986
309 pargalargthrsertthralaserthrsersercysa 326
987 ..CGGCTGGCGCGATGCCGAGCA..... 1010
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1011 .....TCCTGTCAAGCGGTCGCGAGA 1030
343 Proasproalaserargthrsertthralaserthrsersercysa 359
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1110 .....CCCTTACCATCCGGAATATCGCTCAACT 1141
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1142 TGGAGCAGCGTTACGCGAAGGGA.....CATCACCTTCGCAACCGG 1185
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1186 CGCGCTCAACGAGAA 1202
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seq_name: /cgn2_6/ptodata/1/iaa_5b.COMB.pep:US-09-041-886-23
seq_documentation_block:
: Sequence 23, Application US/09041886
: Patent No. 6235872
: GENERAL INFORMATION:
: APPLICANT: Bredesen, Dale E.
: TITLE OF INVENTION: Proapoptotic Peptides, Dependence
: TITLE OF INVENTION: Polypeptides and Methods of use
: NUMBER OF SEQUENCES: 72
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Campbell & Flores LLP
: STREET: 4370 La Jolla Village Drive, Suite 700
: CITY: San Diego
: STATE: California
: COUNTRY: United States
: ZIP: 92122
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/041,886
: FILING DATE:
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: Campbell, Cathryn A.
: REGISTRATION NUMBER: 31,815
: REFERENCE/DOCKET NUMBER: P-LJ 2626

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: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (619) 535-9001
: TELEFAX: (619) 535-8949
: INFORMATION FOR SEQ ID NO: 23:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1185 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-09-041-886-23

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  Quality: 130.00      Length: 685
  Ratio: 0.494        Gaps: 37
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165 GGAATTTGCGCGCGCGCGGTCATATCGGATTTGGAAACATCAAGCC 214
283 lysanleuproseralaprothrsProthrsProthrsProthrsProthrs 299
215 ATCAGTTGGGCACTGTATCAGAGG..CGGCTTAAAGAAATAT 263
299 oasleuprothrsProthrsProthrsProthrsProthrsProthrs 314
264 CGGCTACA.....TTGCGCTTTTCCGATCAGCGGCGAGAGTCG 304
314 eralaserprothrsProthrsProthrsProthrsProthrsProthrs 327
305 ATTCCCGCTCGACACCATGCTCAGATTCGATTCGATGAGCGCGT 354
328 .....Hisleupro..... 330
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331 .....SerProthrs.....Alamethylglymeto 340
405 ACACCATCCGCGCGCGGCTATGACGCGGCGACAGGGGCGGCTATCCG 454
340 lyglleuprothrsProthrsProthrsProthrsProthrsProthrs 356
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499 GTTCCCAAAATATCCGCTCAGCTGACGAGACGAGCGAGCGAGAGA 548
372 gneprothrsSerSerSerSerSerSerSerSerSerSerSerSerSer 389
549 AGCGCTTGCAGCGTTCCCAATATACCGGTATATGTCGACCGAGAG 598
389 erSerSerSerSerSerSerSerSerSerSerSerSerSerSerSer 399
599 TAGCGAGGATTCAAACGCGCGCACCGATACAGCC...CCGAGCTGAG 645
400 .....ProalaserglinalleuprothrsProthrsProthrs 409
646 AGATCGGCGATCCGCGGAGGCTTCAACGCGAGCTGACGATATCTGCA 695
409 oHisSerProthrsProthrsProthrsProthrsProthrsProthrs 423

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746 AGGATATAGCGAAGGCTCAACATTCGTGTATGACAGCGCTGGGCTTG 795
438 .....TTPserGI 440
796 CTTTCCACGCAAAAAA.....AGATGGCGCGCATCAACGATTT 833
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440 nGLyProProProProProProProLyGluLeuLeuLeuLeuLeuLeu 455
834 GCGAGATATGCGCGCAATCAAAAGCATATGCGGAGCGAGCATCCGGAT 883
456 .....AsnAlaHisProGlyProPheProProSerLeuGly 467
884 GCGAGATCAAAACCCCAATGCGG.....CACAAAGCATAGAA 921
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468 AlaGlnSerThrAlaHisProProValSerThrHisHisHisHisHisG 484
922 GCGGTACGAAATCTTTACGCGATCATCCCGTCAAGGATGGAGC 971
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484 InGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGly 500
972 TGTTCGGGAAATACGCGCTTGG..... 995
501 AsnSerLeuProProProProGlyAlaPheProHisProLeuGluGly 517
996 .....CGGCATCAGCGCATCT..... 1014
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517 ySerSerHisHisHisHisProGlyAlaMetSerProSerLeuGlySer 533
1014 ..... 1014
534 LeuAlaProGlyProProGlyProAlaHisLeuProProHisSerGI 550
1015 .GTCAACGCGTGGAGATGGCGGATGCGATGCGCAAGGAAATCCG 1063
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550 nValSerTySerGlnAlaGlyProAlaGlyProProValSerSerSers 567
1064 CC...GTACGCGACAAATTTGCGGATGCGGATAC..... 1095
      ::::: ||||| ::::: |||||
567 eRAsnSerSerSerSerSerSerGlnGlySerTyProGlySerHisPro 583
1096 .....GCCAATACCCGTCCTTACCTTC 1121
584 SerProSerGlnGlyProGlnGlyAlaProGlyProPhePro..ProValP 600
1122 CCGAATAA.....TCCGTTCAACTTGGAGCAGCGTTACGCA..... 1159
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655 LySerProProSerPheArgThrGlyThrProProGlyTyTyArgGlyThr 671
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1402 ATTCAATACGCAAAATTCACAAAGCAGTAGAATCAATATATCCGACC 1451
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720 .....GlnLeuGlnGlnProAl 726
1452 TAAAAATAC...TCCTTCAGCAGCGCTACCA.....AAAGACCTA 1492
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726 agLudLutGlyThrProGlySerProValProProAlaArgSerProS 743
1493 AT..... 1494
743 erProProProLysValAlaPylProSerHisAlaSerGlnSerAla 759
1495 .....AATGATATTGGATTAATTGTGTAAT..... 1521
760 ArgPheAsnLysHisLeuAspArgGlyPheAsnSerCysAlaArgSerAs 776
1521 ..... 1521
776 pleuTyThrPheValProLeuGluGlySerTyLeuAlaLysLysArgAla 793
1521 ..... 1521
793 spleuValGluLysValArgArgGluAlaGluGlnArgAlaArgGlu 809
1522 .....GAATGACATAAGGTCATCAAGACTAA 1550
810 LysGluArgGluArgGluArgGluArgGluArgGluArgGluArgGlu 826
1551 AGGTCAAGAAATTTGAATGGGATGTTCAATTTGTCTAAACAGCAGACA 1596
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826 sGluArgGluLeuGluArgSerValLysLeuAlaGlnGluGlyArg 841
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seq_documentation_block:
; Sequence 2, Application US/09351200
; Patent No. 6320033
; GENERAL INFORMATION:
; APPLICANT: BOUDBONNATS, Yves
; APPLICANT: LAMARRE, Claude
; TITLE OF INVENTION: CANDIDA ALBICANS GENE (CSA1) ENCODING A
; TITLE OF INVENTION: MYCELIAL SURFACE ANTIGEN, AND USES THEREOF
; FILE REFERENCE: 6013-71"US" CC/
; CURRENT APPLICATION NUMBER: US/09/351,200
; CURRENT FILING DATE: 1998-07-09
; EARLIER APPLICATION NUMBER: CA2,237,134
; EARLIER FILING DATE: 1998-07-10
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1203
; TYPE: PRT
; ORGANISM: Candida albicans
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (0)...(0)
US-09-351-200-2

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alignment_scores:
  Quality: 126.00      Length: 447
  Ratio: 0.558         Gaps: 16
  Percent Similarity: 50.559      Percent Identity: 19.687

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alignment_block:
US-09-303-518D-465 x US-09-351-200-2 ..

Align seg 1/1 to: US-09-351-200-2 from: 1 to: 1203

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82  GCAAGCATCTTTATCCGCGAGGTTCGACCGTCACCATTTGCAACC 131
   |||||
795  .....Thrphealaglyalleglysercysllealaglylsc 808
132  CGAGCGGAATATACCATTTGCGAGCGGGGGAATTCGCGACGCA 181
   |||||
808  yslysglyngluvalvalserValthrserleucllyserlelcy 824
182  GCGGTATATCGATTGGCAACATCAAAAGCCATCATGTTGGCAACGT 231
   |||||
825  SerValalaglyaltrpasprrtyr.....Trpmetleupr 837
232  TTCATCCAGCGCGCCCATTTAAGGAATATGCGCTACATTGCGCTT 281
   |||||
837  calaasnvalglinserrleu...AsnAlaAlaAlatrAlaValAlat 853
282  TTCGATCAGCGGCGACGATCCCATTCCTCCGACAAACATGCTTCAC 331
   |||||
853  hrserasprerAlasergluvalAlaserAlasercluserAlaser 869
332  ATTCCGATTCTGATGAGCCCGGTAGTCGCGATTACGCTTAC 381
   |||||
870  Valpr.....GingluthrserAl 876
382  CGCATCATTTGGGACGATACGACACATCCCGCGCGGCTATGAGCG 431
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876  alaserSerInserAlaasnserValAlaserAlaAlaAlaAlaAla 893
432  GCCACAGGCGCGGCTATCCGCTCCCAAGCGCGGCGATATATACA 481
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893  snrserValserAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAla 909
482  GCTACGACATTAAGGCG.....TTCGCCAAATATTCGCG 516
   |||||
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581  GTATGCTGACGACGAGTAGGAGGATTCACAGCGCGCCACCGCATAC 630
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631  AGCCCCGAGCTGACGATCGGCGAATCCGCGGAG..... 667
   |||||
972  rcllyprrolierThrThrAspLysValilleThrAsncluserGlyl 989
667  ..... 667
989  herThrserThrValilleThrAlaAlaAlaAlaAlaAlaAlaAla 1005
668  CTTTCACGCGCGCTGACATATCTCA.....AAACATATCGCGCG 711
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1006  SerAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAla 1022
712  GCAGAGAAATTTGTCGCGAGCGGATCCCGTCGACGGGTATATACG 761
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1022  ssergluInAlaserAlaserSerIngluInVallyVal..... 1035

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762  CTCAAACATGCTGTATGACAGGCTTGGTCTGCTTTCCACGAAACA 811
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1036  .....IlethrserValValtrp..CysgluserSerlleGlns 1048
812  AGATGCGCGCATCAACGATTTGGCAGATATGCGCAACTCAAGACTAT 861
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1048  erlleGlyserVallysrThrserlAglylAlaAlaAlaAlaAlaAla 1064
862  GCCGAGACGACCATCCGATTTGGGACGTCCAAACCCCAATGCCGACA 911
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1065  lleAlaserCysAlaserGluLeuserSerLeuserSerAlaLysSer 1081
912  AGCATATACGCGCTGACGATATCTT.....ACGGCATCA 949
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1081  uAlametylThrValserSerleValGluValGlnLysSerAlaVal 1098
950  TCCCGTCGCAAGGATTTGAGCTGTCGCGGAAATACGCTTGGCGGC 999
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1098  lAlysGlnThrserleuAlaAlaAlaAlaAlaAlaAlaAlaAlaAla 1114
1000  ATCAGC...GCACATCTCTCAACGCGTGCAGATGGCGGATCGCAT 1046
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1115  leuserAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAla 1130
1047  GCCGAAAGGAAATCCGCGCTGACGACGACAAATTTGCCGATGGCGATAC 1096
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1131  .....GlnthrAlaAla.....AlaGluAlaserlysa 1140
1097  CCAAAATACCGCTCCCTTACCATTCGCAAAATATCCGTTCAACTTGGAG 1146
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1140  laglyAspGluIleSerThrclutleValAsnIleThrlysrValser 1156
1147  CAGCGTTACGCAAGAAACATCACCCTCAACCGTCCGCGCGTCAAA 1196
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1157  Ser.....GlylysglutrnGlyValserclnAlaAlaAlaAlaAla 1171
1197  CGGAAGATGTGAACCTGCGCAAAACGACCGACCGGAG 1236
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1171  nrThrHisserValAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAla 1184

seq_name: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:US-08-783-774-2

seq_documentation_block:
; Sequence 2, Application US/08783774
; Patent No. 6054130
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; APPLICANT: Jackman, Winthrop
; TITLE OF INVENTION: NON-SPLICING VARIANTS OF
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036/2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/783,774
; FILING DATE: 15-JAN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7682-037
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090

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1497 TGGATATTGGATTAATTTGGTAATGATGACT...AAAGTCATCA 1543
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839 alThrAlaThrAsnAla.....ThrValProValProProThrSer 852
1594 AGAGACAA.....CTTGATGGGCTTGT 1617
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seq.name: /cgn2_6/ptodata/1/iaa/PC/TUS-0611A-19
seq.documentation_block:
: Sequence 19, Application PC/TUS9504611A
: GENERAL INFORMATION:
: APPLICANT: Spaele, Richard and Jackman, Winthrop, T
: TITLE OF INVENTION: Non Splicing Variants of gp350/220
: NUMBER OF SEQUENCES: 19
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
: STREET: 5 Palo Alto Square
: CITY: Palo Alto
: STATE: California
: COUNTRY: USA
: ZIP: 94306
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US95/04611A
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/229,291
: FILING DATE: April 18, 1994
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: Luann Caser
: REGISTRATION NUMBER: 31,822
: REFERENCE/DOCKET NUMBER: AVIR-003/000S
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 415-843-5163
: TELEFAX: 415-857-0663
: TELEX: 380816 COOLEYPA
: INFORMATION FOR SEQ ID NO: 19:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 907 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: PCT-US95-04611A-19

alignment_scores:
      Quality: 125.00      Length: 566
      Ratio: 0.504      Gaps: 31
Percent Similarity: 43.816      Percent Identity: 23.322

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145 CACCTATTGCGAGCGAGGGAGACTCCGACGCGAGCGGTCAATATG 194
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407 rGThrAlaThrAsnAlaThrThrThrThrHisLysValIlePheSerLys 423
245 CGGCATTAAGAAATATCGGCTACATTCGCGCTTTCGATCAGCAGG 294
424 AlaPro.....GluSerThrThrThrSerProThrLeuSerThrGln 438
295 C.....ACGAATCCATTCCTCCCTTCGACAAACATATGC 326
438 yPheAlaLysProAsnThrThrThrThrGlyLeuProSerSerThr..... 452
327 CTCACATTCGATTCGTATGAGCCGGTAGTCCCGTTGACGAGATTAC 376
453 ..HisValPro.....ThrAsnLeuThr 459
377 TTATCCGATCCATTGGAGAGATPACAGACACATCCCGCCGACGCTAT 426
460 AlaProAlaSerThrGlyProThrValSerThrAlaLysValThrSerPr 476
427 GAGC.....GGCCACAGCGCGCGCTATCCGCTCCCAAGCGCGAG 470
476 oThrProAlaGlyThrThrSerGlyAlaSerProValThrProSerPro 493
471 GGATATATACGCTACGACATAAAGCGTTGCCCAATATATCCGCTCA 520
493 eProThrPASPasnGlyThrGluSerLysAlaProAspMetThrSerSer 509
521 ACCTGACGACACACCGCAGCAGCAGCGGCTGTGCGACCGTTCCAC 570
510 ThrSerProValThrThrProThrProAsn.....AlaThrSerPr 523
571 AATACCGGTAGTATGCTGACGCAAGAGTAGCGCAGATTCAAAGCGC 620
523 oThrProAlaValThrThrProThrProAsnAlaThr...SerProThr 539
621 CACCGATACAGCCCGAGCTGAGACATGCGGCAATGCCCGC..... 664
539 roAlaValThrThrPro.....ThrProAsnAlaThrSerProThrLeu 553
665 ...AAGCTTTCACGCGCATGCAAGATATGTCATAAATCATCATGCGCG 711
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570 rSerProThrLeuGlyLysThrSerProThrSerAlaValThrThrPro 587
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884 ..GGCAGTCCAAACCCCAATG.....CCGACACAGGCAATAG 919
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5075 SerLeuLeuAspGlyLysProAlaGly..ArgValLeuGluValGlyTh 5090
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617 GCGCGACCCGATACAGCCCGGAGCTGACGATCG.....GGCAAT 657
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1202 AGAATGTAACTGGCAACAAACGCGC..... 1230
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5280 AspGluProLeuProIleTyrLysLysAspProGluAlaTrpIleAsn 5296
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seq_documentation_block:
? Sequence 6, Application PCT/US9603916
? GENERAL INFORMATION:
? APPLICANT: Wild, Martha A.
? TITLE OF INVENTION: RECOMBINANT INFECTIOUS LARYNGOTRACHEITIS VIRUS
? TITLE OF INVENTION: AND USES THEREOF
? NUMBER OF SEQUENCES: 72
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Cooper & Dunham LLP
? STREET: 1185 Avenue of the Americas
? CITY: New York
? STATE: New York
? COUNTRY: U.S.A.
? ZIP: 10036
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: PatentIn Release #1.25
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: PCT/US96/03916
? FILING DATE: 23-MAR-1995
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: US 08/126,597
? FILING DATE: 24-SEP-1993
? ATTORNEY/AGENT INFORMATION:
? NAME: White, John P.
? REGISTRATION NUMBER: 28,678
? REFERENCE/DOCKET NUMBER: 39116-A
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (212) 278-0400
? TELEFAX: (212) 391-0525
? INFORMATION FOR SEQ ID NO: 6:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 985 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? PCT-US96-03916-6

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 Ratio: 0.447 Gaps: 34
 Percent Similarity: 40.896 Percent Identity: 22.090

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266  GGTACATTCGCGGTTTCCGATCAG..... 292
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293  .....GGCAGCAAGTCCATTCGCC 311
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418  rGluAsnThrLeuPheProThrThrAlaProGlyIleSerThrGluThrP 435
312  CTTCG.....ACAACATGCCCTCACATTCGATTCGATG 346
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518  oAlaGlnThrProSerThrIleProGluIlePheThrGlnSerArgSer 535
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557  TCGACCGTTTCCCAATACCGGTATGCGACGCAAGAGTAGGAGCAG 606
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552  GlnSerSerThrValThrGluValaPheThrGln.....Th 564
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897  CCCCAATGCCGCAAGCATAGAAAGCCGTACGCAATATCTTTACGGCAG 946
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672  erThrMetProGluThrAla.....Gln 679
947  TCATCCCCGTCAAGAGGATTGAGCTGTTCGGGAAATACGCGTTGGGC 996
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680  SerThrPro.....Le 683
997  GGCATCAGCGCACATCTGTCAAGCGTCCGAGATGGCGAGATCGCAT 1046
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1047  GCGGAAGGGAAMTCCGCGTACGAGCACAATTTCCGATGGCGCATACG 1096
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755  .....AspGlyGluValThrAlaThrCys 762
1276  GAAAAAGAGTAAA.....TACGATACGAGAAATTAATACCGCTGACC 1319
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763  ValSerThrValLysSerProTyThrArgValGluThrAsnThrPlyValAs 779
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779  pleuValAspValMetAspGluIleSerGlyAsnSerProAlaGlyValP 796
1367  TCGGATCGGCTCATTTCTTG.....TCTATACTGCCGAATTCATATAC 1410
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1477 .....CTACCAAAAGGACCTAATAATGATATTGGATTAATTGGTAA 1520
863 IleThrLeuPro.....SerGlyValAlaProArgPhe..... 873
1521 TGAATGG.....ACTA 1531
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; Sequence 66, Application PC/TUS9603916
; GENERAL INFORMATION:
; APPLICANT: Wild, Martha A.
; TITLE OF INVENTION: RECOMBINANT INFECTIOUS LARYNGOTRACHEITIS VIRUS
; TITLE OF INVENTION: AND USES THEREOF
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESS: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/03916
; FILING DATE: 23-MAR-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/126,597
; FILING DATE: 24-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 39116-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; INFORMATION FOR SEQ ID NO: 66:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 985 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US96-03916-66

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alignment_scores:

Quality:	122.50	Length:	670
Ratio:	0.447	Gaps:	34
Percent Similarity:	40.896	Percent Identity:	22.090

alignment_block:
US-09-303-518D-465 x PCT-US96-03916-66 ..

Align seq 1/1 to: PCT-US96-03916-66 from: 1 to: 985

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322 ProTyrArgAlaLeuGlySerAsnValProArgAspSerIleArgPr 338
105 GGTTCGACCGCTCAGCATTTGAA.....CCGACGGGAAATACC 145
338 OGlyValThrLeuProProPheAspThrAlaAlaProAsp.PheAspThr 354
146 ACCATTGCGGAGAGGGGAGACTGGCCGAGCGAGCGGTC..... 187
355 GlyThrSerProThrProThrThrValProGluProAlaIleThrIle 371
188 .....ATATCGAT.....TGGGAAACATTAAGCAACCA 215
371 uIleProArgSerThrSerAspMetGlyPhePheSerThrAlaArgAlat 388
216 TCAGTTGGGCAACCGTTTCATCCAGACAGCGGCCATTAAAGGAATATCG 265
388 hGlySerGluThrLeuSerVal.....ProValGlnGluThrAsp 401
266 GCTACATGTCGCGCTTTCCGATCAG..... 292
402 ArgThrLeuSerThrThrProLeuThrLeuProLeuThrProGlyGluSe 418
293 .....GGCAGCAAGTCCATTCGCC 311
418 gLysAsnThrLeuPheProThrThrAlaProGlyIleSerThrGluThrP 435
312 CTTCG.....ACAACATGCGTCCATTCGATTCGATG 346
435 roSerAlaIleIleGluThrThrGlnThrGlnSerAlaGluThrValVal 451
347 AAGCGGTAGTCCGCTGACGATTCAGCC..... 376
452 PheThrGlnSerProSerThrGluSerGluThrAlaArgSerGlnSerI 468
377 .....TTTACCGCATTCATTGGAGCGATAGCAACACCATCC 413
468 nGluProTyrTrpPheThrGlnThrProSerThrGluGlnAlaIleLeuT 485
414 GCGCGAGCGTATAGCGGCGCACAGGGCGGTATCCGCTCCCAAG 463
485 hGlnThrGlnIleAlaGluThrGluAlaLeuPheThrGlnThrProSer 501
464 GCGCGA.....GGCATATATACA..... 481
502 AlaGluGlnMetThrPheThrGlnThrProGlyAlaLeuThrGluAlaPr 518
482 .GCTACGACATATAAAGCGTTGCCCAAAATA.....TCGCGCTCAA 521
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518 oAlaGlnThrProSerThrIleProGluIlePheThrGlnSerArgSer 535
522 CCGACCGACAGAC.....GCAGACCGGACACAGCGCTTG 556
535 hTrpProGluThrAlaArgAlaProSerAlaAlaProGluValPheThr 551
557 TCGACCGTTTCCACATACCGGTAGTCTGACGCAAGAGTAGAGGAGC 606
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552 GlnSerSerThrValThrGluValPheThrGln.....Th 564
607 GGATTCAAGCGCGCCAGCATACAGCCCGAGCTGAGAGATCGGAGCA 656

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813 GlyArgHisSerValGlnMetCysLeuSerCysHisSerHisSer 829
1429 ..... GTGAGATTCAGATATA 1444
829 OGluProTyrCysLeuPheAspThrSerLeuIleAlaArgGluTyrAspI 846
1445 TCCACCTAAATAATTCCTCTCTTCAGACCG..... 1476
846 LeAlaProGluLeuTyrPheThrSerAspProGlnThrAlaTyrCysThr 862
1477 ..... CTACCAAAAGACCTAATATGATATTTGGATTAATTTGCTAA 1520
863 IleThrLeuPro..... SerGlyValValProArgPhe..... 873
1521 TGAATGG..... ACTA 1531
874 GluTrpSerLeuAsnAsnValSerLeuProGluTyrLeuThrAlaThrT 890
1532 AAGTCCATCACAAGACTAAAGGTCAAGAAATTGGAATGGATGTTCAATTG 1581
890 hrValValSerHisThrIleArgGlyIleSerThrValTyr..... 902
1582 TCCTAAACAGAGACAGACAGCACTTGATGGCGCTAGTGGAGATGTAAGCA 1631
903 LysSerSerIleArgValIleGlyIleValIleThrIleSerGlyArgGlyIle 919
1632 TTTA 1635
919 ntle 920
seq_name: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:US-09-103-429A-3
seq_documentation_block:
: Sequence 3, Application US/09103429A
: Patent No. 6187558
: GENERAL INFORMATION:
: APPLICANT: Granados, Robert R
: APPLICANT: Wang, Ping
: TITLE OF INVENTION: A No. 6187558e1 Invertebrate Intestinal Mucin
: TITLE OF INVENTION: CDNA and Related Products and Methods
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Brown, Plinisi & Michaels, P.C.
: STREET: 118 No. 6187558th Tlaga
: CITY: Ithaca
: STATE: NY
: COUNTRY: USA
: ZIP: 14850
: COMPUTER READABLE FORM:
: MEDIUM TYPE: floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/103,429A
: FILING DATE: 24-JUN-1998
: CLASSIFICATION: 800
: ATTORNEY/AGENT INFORMATION:
: NAME: Michaels, Christopher A
: REGISTRATION NUMBER: 34,390
: REFERENCE/DOCKET NUMBER: BTI-39
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (607) 256-3628
: TELEFAX: (607) 256-3628
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 786 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: HYPOTHEICAL: NO
: ANTI-SENSE: NO

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Align seg 1/1 to: US-08-728-323A-2 from: 1 to: 1162

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63 ProleProdiSerProThrValPheThrSerGlyLeuProAlaPheVal 79
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319 AACCATGCTCATCTCCGATCTGTG.....ATGAAGCCGGTATG 356
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79 LserSerProThrLeuProValAlaProleProSerProAlaProAlaT 96
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357 TCCCGTTGACGGATTACGCTTACCGCATTCATTGGACGATACGAAC 406
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96 hrProleuProProProAlaLeuLeuProProValThrThrSerSer 112
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407 ACATCCCGCCGACGGCTATGACGGCCACAGGGCGGCGATCCCGCT 456
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113 ProleProProSer.....His..... 118
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457 CCCAAAGCCGCGAGGATATATACAGCTACGATAAAGCGTTGCCCA 506
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119 .ProValSerProGly.....ThrThrAspThrHisSerProSerPro 133
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507 AAATATCCGCTCAACCTGACGACACCGACACCGGACGACAGGCTTG 556
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133 laLeu.....ProProThrGlnSerProGlnSerSerGln 144
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557 TCGACGTTTCACAAATACCGGAGTATGCTGACGACGAGGAGGCGAC 606
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145 ArgProProLeuSerSerProThrGly.....ArgProAspSerSerTh 159
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607 GGATTCAAACGCGCCACCC.....GATACAGCCCGAGCTGACAGATC 650
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159 rPrometArgProProProSerGlnGlnThrThrProProHisSerPro 176
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651 GGGCATGCGCGCG.....AAGCTTCAACGGCAGCTGCGAGTA 688
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236 ProProThrAlaThr.....GlnSerProIleTyrValG1 247
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886 GCAATCCAAACCC...CCAATGCCGACAGAGCATGAAGCCGTGCAAA 932
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247 ySerSerSerAspGlyAspThrProProArgGlnProProThrSerPro 264
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933 TATCTTACGCGCAGTATCCCGCTCAAGAGGATTGAGCTGTTCGGGGA 982
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264 leSerIleGlySerSerSerProSerGlnGly.....SerTyrGlyAsp 278
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983 AATACGGCT 991
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279 AspThrAla 281
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seq_name: /cgn2_6/ptodata/1/aa/6B_COMB.pep:US-08-628-829-4

seq_documentation_block:

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; Sequence 4, Application US/08628829A
; Patent No. 6333170
; GENERAL INFORMATION:

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; APPLICANT: Johnson, Gary L.
; TITLE OF INVENTION: Method And Product For Regulating Cell Responsiveness To Exter
; FILE REFERENCE: CPI-004VPC3
; CURRENT APPLICATION NUMBER: US/08/628,829A
; EARLIER FILING DATE: 1996-04-05
; EARLIER APPLICATION NUMBER: 08/440,421
; EARLIER FILING DATE: 1995-05-15
; EARLIER APPLICATION NUMBER: 08/323,460
; EARLIER FILING DATE: 1994-10-14
; EARLIER APPLICATION NUMBER: 08/049,254
; EARLIER FILING DATE: 1993-05-15
; EARLIER APPLICATION NUMBER: 08/410,602
; EARLIER FILING DATE: 1995-04-24
; EARLIER APPLICATION NUMBER: 08/472,934
; EARLIER FILING DATE: 1995-06-06
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 4
; LENGTH: 1593
; TYPE: PRT
; ORGANISM: Mus musculus
; US-08-628-829-4

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alignment_scores:
  Quality: 119.50      Length: 495
  Ratio: 0.595        Gaps: 29
  Percent Similarity: 40.606      Percent Identity: 23.636

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alignment_block:

US-09-303-518D-465 x US-08-628-829-4 ..

Align seg 1/1 to: US-08-628-829-4 from: 1 to: 1593

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171 .....TGGCGAGCGCGAGGTCTATTCGATTGGGAACATCAAAAGC 213
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17 gProGlyCysSerAlaGlnArg.....P 25
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214 CATCAGTTGGCAACCTGTTTCATCCAGCAGCGGCCATTAAGAAATAT 263
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25 roAlaProGlySerPro..... 30
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264 CGGCTACATGTCGCTTTCCGATCAGGCGACAGATTCATTCCTCCCT 313
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31 .....HisCysProCys..... 34
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314 TCGACAAACCATGCCCTCACATTCCGATTCTGTATGAAGCCGTAATCCGTT 363
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35 ....ProProThrCysAlaAlaArg..... 41
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364 GACGATTCAGGCTTACCGCATCCATTCATGGGAGCGATACGAACCATCC 413
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42 .....ProProAlaAlaProArgSerArgAlaProAla 52
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414 ...CGCCGAGCGTATGACGGCCACAGGGCGGCGCTATCCGCTCCA 460
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53 GlyArgArgGlyProAlaAlaArgAlaArgAlaLeuGlySerSerAl 69
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461 AAGCGCGAGGATATATACAGCTACGACATMAAAGCGTGCCCAAAAT 510
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69 argProProThrArgProProLeuArgProProProAlaLeuSerPro 86
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511 ATCCGCTCAACCTGACGACGACGACGACGACGACGACGACGCTTGTGA 560
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86 roProProSerPro.....AlaGlyThrSerGlnCysSer 97
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98 Pro.....Arg.GluLysMetAlaAlaAlaAlaGlyAspArg 110
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110 LaserSerSerglyPheProGlyAlaAlaAlaLaserProGlyAlaGly 126
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127 GlyGlyGlyGlyGlyGlyGlyAlaLeuGlnGlySerglyAlaProAla 143
696 AATCATCATCGCCGCCGAGCAAAATTCGGCGCGAGCGGATCCCTGC 745
143 aglyAlaAlaGlyLeuLeuArgGlyProGlySerglyAlaGlyProSera 160
746 AGGATATAGCGAGGCTCAACATCTGTTATACGCGCTTGG... 790
160 rg...ThnglyGlyGlyGlyThrcysAlaLysCysGlyValItrpSer 175
791 .....GTCTGCTTCCACCGCAACGAAACAGATGGC 818
175 PThrSerCysArgSerSerArgSerSerProProArgArgPro 191
819 GCGCATCAGATTTGGCAGATATGGCGCACTCAAGACTATACCGCGAG 868
192 AlaHis...LeuLeuProValAlaGlyAlaArgGlyArgGlyCysArg 207
869 CAGCCAT...CCGCGATTGGCAGTCCAAAACCCCAATGCCGACAA 912
207 rGluSerLeuProAlaArgAlaGlyProProProProGlyAlaAlaSer 224
913 GCGATAGAACCGCTCAGCAATATCTTACGCGCAGTCATCCCGCTCAA 962
224 rg.....CysGlySerHis..... 228
963 GATTGGAGCTGTTCGGGAAATATAGCGCTTGGCGGATACCGCACATC 1012
229 .....SerAlaGlyLeuAlaAlaAlaArgSerSerglyAlaAr 241
1013 CTGTCAAGCGGTCGCGAGATGGG...GAGATCCGATTCGCCGAAGGAA 1059
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274 gPro.....GluGluArgMetIleA 281
1160 AAGAAACATCACCTCTCAACCGTGGCGGCAACGGAAGAAATGTG 1209
281 rgGlyLysLeuLysAlaThrCysMetProAlaTrpLysGluTrpLeu 297
1210 AAAGTGGCAACAAAGCCGACCGGAAGACCAAGTCCGTTT... 1251
298 GluArgArgAsnArgArgGlyProValValLysProIleLeu 314
1252 .....GACGGTAAAGGTTTCCGAATTTGAAAAAGCTAAATACGATA 1297
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340 .....ProlySgIyArgArgSerProSerProGlySergSerProSerg 354
1386 G...TCTATA.....ACTGCAGAAATTCATTAAGCA 1414
354 yNArgSerValLysProGluSerProGlyValArgGlySArgValSerP 371

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385 .....AlaProSerProAspGly 390

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seq_name: /cgn2_6/plodata/1/iaa/6A_COMB.pep:US-08-899-437-2

seq_documentation_block:

; Sequence 2, Application US/08899437

; Patent No. 6121415

; GENERAL INFORMATION:

; APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao

; TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related

; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Genentech, Inc.

; STREET: 1 DNA Way

; CITY: South San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94080

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WinPatIn (Genentech)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/899,437

; FILING DATE: 24-Jul-1997

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Conley, Deidre L.

; REGISTRATION NUMBER: 36,487

; REFERENCE/DOCKET NUMBER: P1084R1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650/225-2066

; TELEFAX: 650/952-9881

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 713 amino acids

; TYPE: Amino Acid

; TOPOLOGY: Linear

; FEATURE:

; NAME/KEY: Mouse NRG3 (mNRG3)/amino acid seq.

; LOCATION: 1-713

; IDENTIFICATION METHOD:

; OTHER INFORMATION:

; US-08-899-437-2

alignment_scores:

Quality: 118.50 Length: 554

Ratio: 0.517 Gaps: 30

Percent Similarity: 41.336 Percent Identity: 23.105

alignment_block:

US-09-303-518d-465 x US-08-899-437-2 ..

Align seg 1/1 to: US-08-899-437-2 from: 1 to: 713

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322 CATGCCCTACATTCGATTCGTGATGAGCCGGTAGTCCGTTGACGAT 371
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135 rSerProAlaThrProSerAlaGlyGlyAlaAlaLaserSerArgThrPro 152
372 CAGCCTTACCGCATTCATGGGAGCATACGAACACCATCCGCCGACG 421

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527  ThrIleSerHisLeuProIleGlnLeuThrProCysValGlnArgProLeuS 543
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1539  ATCAA.....GACTAAAGTCAAGATTTGATGGG 1570
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seq.name: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:US-09-126-121-2

seq-documentation_block:
  : Sequence 2, Application US/09126121
  : Patent No. 6252051
  : GENERAL INFORMATION:
  : APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
  : TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
  : NUMBER OF SEQUENCES: 23
  : CORRESPONDENCE ADDRESS:
  : ADDRESSEE: Genentech, Inc.
  : STREET: 1 DNA Way
  : CITY: South San Francisco
  : STATE: California
  : COUNTRY: USA
  : ZIP: 94080
  : COMPUTER READABLE FORM:
  : MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Winpatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/126,121
FILING DATE: 30-Jul-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Conley, Deirdre L.
REGISTRATION NUMBER: 36,487
TELEPHONE: 650/225-2066
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2066
FAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
FEATURE:
NAME/KEY: Mouse NR3 (mNR3)/amino acid seq.
LOCATION: 1-713
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-2

alignment_scores:
Quality: 118.50 Length: 554
Ratio: 0.517 Gaps: 30
Percent Similarity: 41.336 Percent Identity: 23.105

alignment_block:
US-09-303-518D-465 x US-09-126-121-2 ..

Align seg 1/1 to: US-09-126-121-2 from: 1 to: 713

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322 CATGCCATTCGATTCGTATGTAAGCGGAGTCCGTTGACGAGAT 371
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135 rSerProAlaThrProSerAlaGlyAlaAlaSerSerArgThrPro 152
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152 snArgLieserThrArgLeuThrThrThrThrArgAla.....ProThr 166
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167 ArgPheProGlyHisArg.....ValProIle..... 175
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183 hValArgsnThrAlaAlaProProThrValLeuSerThr.....Thr 197
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198 AlaProPhePhe.....SerSerSerThrProGlySerArgPr 210
622 ACCG..... 625
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626GATACAGCCCGAGCTGACGA 646
227 AlaAlaGlyAlaThrSerSerGlyLeuHisAspSerThrProSerThrPr 243

646 646
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260 rThrSerSerThrThrThrThrProGluThrSerThrSerProLysPhe 277
690 CGTCAAAACATCATCGGCGGCGGACGAGAAATGTGGCGGCGACGCAATG 739
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277 IsThrThrThrThrSerThrGluArg.....SerGlnHisPheLys 290
740 CCGTCAGGAGTATAGCAAGGCTCAACATTCGCTGATATGC...ACGGC 786
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291 ProCysArg.....AspLysAspLeuAlaThrCysLeuAsnAs 303
787 TTGGCTGCTTTCACCCGAAACA.....AGATGC 818
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303 pGlyGluCysPheValIleGluThrLeuThrGlySerHisLysHisCysA 320
819 GCGCATCAACGATTTGGCAGATATGCGGCAATCGAAGACTATGCGGACG 868
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320 rGysLysGluGlyTyrglnGlyAlaArgCysAspGlnPheLeuProLys 336
869 CAGCATCCGCGATTTGGGACAGTCCAAACCCCAATGCGCGACAA..GGCAT 917
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337 ThrAspSerIleLeuSerAsp.....ProThrAspHisLeuGlyI 350
918 AGAA.....GCCGTCA 928
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350 eGluPheMetGluSerGluAspValTyrglnArgGlnValLeuSerLies 367
929 GCAATATCTTACGAGCATATCCCGCAAGGATTTGACGCTGT... 975
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367 erCysIleIlePheGlyIleValIleValIleGlyMetPheCysAlaIlePhe 383
976CGGGAAATAATACGCGCTTGGCGGACATCACGCGACATCTGTCAA 1019
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384 TyrPheLysSerLysGlnAlaLysGlnIleGlnGlnHis...LeuLys 399
1020 GCGGTCGACGATTTGGGCGGACATTCGCGTCCGAAGGGAATCCGCGCTCA 1069
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399 sGluSerGlnAsnGlyLysAsnTySerLeuLysAlaSerSerThrLys 416
1070 GCGACAAATTT.....GCC 1083
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416 erGluSerLeuMetLysSerHisValHisLeuGlnAsnTySerLysAla 432
1084 GATCGGGCAT.....ACGCCAATA 1103
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433 Asp..ArgHisProValThrAlaLeuGluLysIleMetGluSerSerPhe 449
1104 CCGGTCGCCCTTACCATTCGCAATATCCGTTCAACTTGGACAGCGTT 1153
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449 erAlaProGlnSerPheProGluValThrSerProAspArgGlySerGln 465
1154 ACGGCAAAAGAAACATCACCCTCTCAA.....CCGTGCGCGCTCA 1194
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466 ProIleLysHisHisSerProGlyGlnArgSerGlyMetLeuHisArgAs 482
1195 AACGGAAGAATGTGAACAGTGGCAACAAAGCCGACCGGACGCAAAAGT 1244
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482 nThrPheArg.....ArgAlaProProSerProArg 493
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506 .....leuGluGluSerArgIle..... 511
1392 AACTGCAGATTCATACGCAAAATTACCAAGC...AAGGTAGAAATCA 1438
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527 ThrIleSerHisLeuProIleGlnLeuThrIleProCysValGlnArgProLeuAs 543
1489 CCTAATATAGGATATTGATTAATTGTTAATGATGACTAAAGTCC 1538
543 PLeu.....LysTyrValSerAsnGlyLeuArgThrG 554
1539 ATCA.....GAATAAGGTCAAGATTGATGGG 1570
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1571 ATGTTCAATTGCTTAACACGAAAGACGACTTGATGGCTAGTAG 1620
571 TyrPheAsnSerLeuAspGlnLysAsp.....LeuValGln 582
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seq_name: /cgn2.6/ptodata/1/1aa/6B_COMB.pep:US-09-413-814-79

seq_documentation_block:
; Sequence 79, Application US/09413814
; Patent No. 6225064
GENERAL INFORMATION:
; APPLICANT: Gesellschaft fuer Biotechnologische Forschung mbH
; APPLICANT: Bistol-Meyers Squibb, Co.
; APPLICANT: Beyer, Stefan
; APPLICANT: Bioecker, Helmut
; APPLICANT: Brandt, Petra
; APPLICANT: Cino, Paul M
; APPLICANT: Dougherty, Brian A
; APPLICANT: Goldberg, Steven L
; APPLICANT: Hoffe, Gerhard
; APPLICANT: Mueller, Joachim
; APPLICANT: Reichenbach, Hans
; TITLE OF INVENTION: DNA sequences for enzymatic synthesis of polyketide or
; FILE REFERENCE: PCT/US 99/23535
; CURRENT APPLICATION NUMBER: US/09/413,814
; EARLIER FILING DATE: 1999-10-07
; EARLIER APPLICATION NUMBER: DE 198 46 493.2
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 79
; LENGTH: 1213
; TYPE: PRT
; ORGANISM: Sorangium cellulosum
US-09-413-814-79

alignment_scores:
Quality: 116.50 Length: 324
Ratio: 0.910 Gaps: 15
Percent Similarity: 39.506 Percent Identity: 26.235

alignment_block:
US-09-303-518D-465 x US-09-413-814-79 ..
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155 GCAGAGGGGGGAACTGCCGACGCGACGCGATATCGATTGGGAAC 204
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367 gArgProGlnProLeuLeuArg...ArgArgAspHisArgAlaAlaArg 383
205 ATACAAAGCCATACAGTTGGCAACCTGTTCATCCAGCAGCGGCCATTAA 254
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383 lAnHisArgProSerGlyGlnAspProArgLeuPro..... 394
255 AGGAATATACGGCTACATTGTCCGCTTTCCGATACGGGACGAAATCC 304
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395 .....HisArgAlaArg..... 398
305 ATTCGCCCTTCGACAACCATGCGCTCACATTCGATTGTGAAGAACCGGT 354
398 ..... 398
355 AGTCCCGTTGACGATTCAGCTTTACCGCATCTTG..... 392
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393 .....GACGCGAT 400
414 G1yArgGlyGlyLysArgSerValGlyArgGlnAlaProGlyArgVal 430
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451 CCGCGTCCCAAGGCGCGAGGATATATACAGCTACGACATAAAGCGCT 500
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501 TGCCCAAAATATCCGCTTACCTGACGCGACACCGCAGCGACGAC 550
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551 GCGTTCGACCGCTTCCACATACCGGATGATGCTGACGCGACGAGTA 600
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476 .....ArgProAlaGlySerArgArgGlyLysArgAlaAlaArgArgGly 490
601 GCGCA.....CGATTCAAACCGCGCACCGGATACGCGCGAGCT 641
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642 GACAGATGGGCAATGCCGCGGAAAGCTTTCACGCGCACTGCAAGATACG 691
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842 TGGCGCACTCAAGACATATGCCGCGACGACGATCCGATGGCGACATC 891
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550 gGlyAlaGlyArgValAlaAspArgPro.....ValP 561
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561 rValProAsp.....HisArgAlaThr..... 568
942 GGCAGTCATCCCGGTCAAGGATGAGAGCTGTGGGGGAAATACGGCT 991
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1215 GGCACAAACAAAGCCAC..... 1230
1136 ythrglyalargtryvalleuglnaspasnalarhnsnlglntryPhes 1153
1231 .....CCGAAGACCAAAAGTCCGCTTGAC 1254
1153 ervallysalaglyglntrPheueuprolysglnmetrhguiliethr 1169
1255 GGTAAAGGTTCCGAATTTGAAAAAGAGTAATACGATACG.... 1299
1170 GlyserglyPheargvalgIyAspAspvalglntryleuserilegl 1186
1300 .....AGATTAATACCGCTGACCAAGAGATTCATATGATG 1339
1186 yglytryleualalalsasntrPheille...GlnvalgIyAlaasnlgln 1202
1340 AACCCGCTTTAAACCTAAGGTTCTGCGATCGGCTCATCT.... 1383
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1384 .....TGGTCTATTAAGTCCGCAATTCATACGCAAAAT 1418
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seq_documentation_block:
; Sequence 4, Application US/09103429A
; Patent No. 6187558
; GENERAL INFORMATION:
; APPLICANT: Granados, Robert R
; TITLE OF INVENTION: A No. 6187558e1 Invertebrate Intestinal Mucin
; TITLE OF INVENTION: CDNA and Related Products and Methods
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Pinnisi & Michaels, P.C.
; STREET: 118 No. 6187558th Tl09a
; CITY: Ithaca
; STATE: NY
; COUNTRY: USA
; ZIP: 14850

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/09/103,429A
FILING DATE: 24-JUN-1998
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Michaels, Christopher A
REGISTRATION NUMBER: 34,390
REFERENCE/DOCKET NUMBER: BTI-39
TELECOMMUNICATION INFORMATION:
TELEPHONE: (607) 256-2000
TELEFAX: (607) 256-3628
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 805 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Trichoplusia ni
TISSUE TYPE: peritrophic membrane
US-09-103-429a-4
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Quality: 115.50      Length: 319
Ratio: 0.831        Gaps: 16
Percent Similarity: 43.574      Percent Identity: 23.824

alignment_block:
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166 GAACCTGGCCGAGCGGCGGCTCATATCGGATTTGGGAACATACAAACCA 215
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462 nsercygluser...ProvalthrAlaglyCysglvalaPheglucysa 478
216 TCAGTTGGCAACCTGTTTCATTCACAGCGCGCCATTAAAGAAATATCG 265
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478 spserAspAsnlglnCysrthrSerthrAlaAlaProthrAlaAlaProthr 494
266 CCTACATTGTCGCTTTTCGATCAGGCGAGCAAGATTCATCCCTTC 315
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495 AlaAlaProthrAlaAlaPro...ThrAlaAlaProthrAlaAlaProse 510
316 GACAACCATGCTCCACAT.....CCGATTCGTGATGAAGCGGTAGTC 359
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510 rThrvalaAlaProProalarhnrProProalarhAlaAlaProPro 527
360 CGTTGAGC.....GATTCAGCCTTTACCGCATCC 388
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527 rothrThrAlaAlaProthrProalarProthrAlaAlaProthrAlaAla 543
389 ATTGCGAGC.....GATTCAGCAACCATCCCGCGAC 420
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421 GGCTATG...ACGGCCACAGGCGGCGCATCCG..... 454
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622 ACCG.....GATA 629
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seq documentation_block:
; Sequence 6, Application US/09126121
; Patent No. 6252051
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J., Mark, Melanie Rose, Zhang, Dong Xiao
; TITLE OF INVENTION: ErbB Receptor-Specific Neuregulin Related
; TITLE OF INVENTION: Ligands and Uses Therefor
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Winpatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/126,121
; FILING DATE: 30-Jul-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Conley, Delidre L.
; REGISTRATION NUMBER: 36,487
; REFERENCE/DOCKET NUMBER: P1084R1D1
; TELEPHONE: 650/225-2066
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 6:
; LENGTH: 720 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear

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FEATURE:
NAME/KEY:  INRG3B1 amino acid sequence
LOCATION:    1-720
IDENTIFICATION METHOD:
OTHER INFORMATION:
US-09-126-121-6

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Quality: 114.00      Length: 556
Ratio: 0.504         Gaps: 25
Percent Similarity: 40.647   Percent Identity: 20.863

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alignment_block:

US-09-303-518D-465 x US-09-126-121-6 ..

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1167 CATCACCTCCTCAACCGTACCGCCGCTCAAAACGCAAAAGATGTGAAATCGG 1216
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470 tAsrGserLeuSerSerCysLysSerProGlyGlnArgSerGlyMetLeu 486
1217 CAACAACAGCGCACCCGACAGA.....CCAAAGTCCGCTTG.. 1252
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503 yGlyIleValGly..... 507
1302 AATTAAATACCGCTGTACACAGTGAATCCTATAGATGAACCCGCTTTTA 1351
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554 SerSer.....SerLys 558
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seq_documentation_block:
; Sequence 2, Application US/09210361
; Patent No. 6284479
; GENERAL INFORMATION:
; APPLICANT: Nicholls, Scott E.
; TITLE OF INVENTION: Substitutes for Modified Starches and
; FILE REFERENCE: 0357CR
; CURRENT APPLICATION NUMBER: US/09/210,361
; CURRENT FILING DATE: 1998-12-11

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; EARLIER APPLICATION NUMBER: 09/007,999
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: 08/478,704
; EARLIER FILING DATE: 1995-06-07
; EARLIER APPLICATION NUMBER: 09/009,620
; EARLIER FILING DATE: 1998-01-20
; EARLIER APPLICATION NUMBER: 08/485,243
; EARLIER FILING DATE: 1995-06-07
; EARLIER APPLICATION NUMBER: 09/008,172
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: 08/482,711
; EARLIER FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: SeqSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 1475
; TYPE: PRF
; ORGANISM: Streptococcus mutans
US-09-210-361-2
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: Sequence 4, Application US/08224482
: Patent No. 5837692
: GENERAL INFORMATION:
: APPLICANT: Mercola, Dan
: APPLICANT: Adamson, Eileen D.
: TITLE OF INVENTION: Inhibition of the Mitogenic Activity of
:   TITRE OF INVENTION: PDGF by Mammalian EGR
: NUMBER OF SEQUENCES: 12
: CORRESPONDENCE ADDRESS:
:   ADDRESSEE: Campbell and Flores
:   STREET: 4370 La Jolla Village Drive, Suite 700
:   CITY: San Diego
:   STATE: California
:   COUNTRY: USA
:   ZIP: 92122
: COMPUTER READABLE FORM:
:   MEDIUM TYPE: Floppy disk
:   COMPUTER: IBM PC compatible
:   OPERATING SYSTEM: PC-DOS/MS-DOS
:   SOFTWARE: Patentln Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
:   APPLICATION NUMBER: US/08/224,482
:   FILING DATE: 07-APR-1994
:   CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
:   NAME: Campbell, Cathryn A.
:   REGISTRATION NUMBER: 31,815
:   REFERENCE/DOCKET NUMBER: P-ME 9913
: TELECOMMUNICATION INFORMATION:
:   TELEPHONE: (619) 535-9001
:   TELEFAX: (619) 535-8949
: INFORMATION FOR SEQ ID NO: 4:
:   SEQUENCE CHARACTERISTICS:
:     LENGTH: 543 amino acids
:     TYPE: amino acid
:     TOPOLOGY: linear
US-08-224-482-4

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859 TATCCCGCAGCAGCATCCGCGATGGCGATGCCAAACCCCATGCCGC 908
424 LysLysAla.....AspLysSerValValAlaLaserSerAlaThr 436
909 ACAAGGATAGAACGCGTCAGCATATCTTACGCGAGTCATCCCGTCA 958
436 rSeSerLeuSerSerLysProSerProValAlaThrSerLysPro... 451
959 AAGGATTTGAGCTGTTGGGGAATAATGCGCTTGGCGCATCAGCGCA 1008
452 .....SerProValThrThrSerLysProSerProAlaThrThrSer 465
1009 CATCTGTCAAGCGGTGCGAGATGGCGAGATGCGCATGCCGAAGGAA 1058
466 TyrPro..... 467
1059 ATCCGCGCTGAGCGACATTTTGGCGATGGCGATACGCCAATACCGGT 1108
468 .SerProValProThrSerPheSerSerProGlySerThrThrPro 484
1109 CCCCTTACATTCGCCGAATAATTCGTTCAACTTGGAGCAGCGTTACGCG 1158
484 erProValHisSerGlyPheProSerProSerValAlaThrThrTyr... 499
1159 AAAGAAAACATCACCTCTCTCAACCGTGGCGCGGCA 1194
500 .....SerSerValProProAla 505

seq_name: /c9n2_6/plodata/1/1aa/5B.COMB.pep:US-08-557-139-2
seq_documentation_block:
; Sequence 2, Application US/08557139
; Patent No. 5827730
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Oluf
; APPLICANT: Bjorkbak, Christian
; APPLICANT: Frederiksen, Kathrine A.
; TITLE OF INVENTION: MUTANT DNA ENCODING INSULIN RECEPTOR
; TITLE OF INVENTION: SUBSTRATE 1
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 58277300 No. 5827730disk of No. 5827730th America
; STREET: 405 Lexington Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10174
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/557,139
; FILING DATE: 12-FEB-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.

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REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4041.204-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 867-0123
TELEFAX: (212) 878-9655
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1243 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-557-139-2

alignment_scores:
Quality: 111.50 Length: 424
Ratio: 0.603 Gaps: 25
Percent Similarity: 43.632 Percent Identity: 23.349

Alignment block:
US-09-303-518D-465 x US-08-557-139-2
Align seg 1/1 to: US-08-557-139-2 from: 1 to: 1243

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319 GlyLysLysProGlySerPheArgValAlaArgLaser..... 330
155 GCAAGAGGGGGAACCTTGCCGAGCGCAGCGGTCATATGCGATTGGGAAC 204
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331 .....SerAspGlyGlyLysThrM 337
205 ATACAAAGCCATCAGTT.....GGCAACCTGTTCATCA..... 239
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337 eSerArgProAlaSerValAspLysSerProValSerProSerThrAsn 353
240 .....GCAGCGCGCATTAAGAAATATGCGCTACATGTGCGCT 280
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354 ArgThrHisAlaHisArgHisArgGlyAlaArgLysLeuHisProPole 370
281 TTTCGATACGG.....G 294
370 uAsnHisSerArgSerLleProMetProAlaSerArgCysSerArgSerA 387
295 CACGAAGTCCATTCCTCCCTTCGCAAC.....CATGCTC 329
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330 ACATTCGAT.....TCTGATGAGCGGTA 355
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403 rHisSerAspCysLeuPheProArgArgSerSerLaserValSerGlys 420
356 GTCGCGGTACGAGATTACGCTTACCGCATTCATGGAGCAGGATACGAA 405
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420 erProSerAspGlyLysPhe.....LleSerSerAspGlyLysGly 433
406 CACATTCGCGCGCGAGCTATACCGG.....CCAGAGG 440
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434 SerSerProCysAspPheArgSerSerPheArgSerValThrProAspSe 450
441 CGCGGCTAT...CCGCTCCCAAGCGCGAGGATATATACAGTACG 487
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450 rLeuGlyHisThrProProAlaArgGlyGlnGlnLysLeuSerAsnTylI 467
488 ACATTAAGCGCTTGCGCAAAATATCCGCTCAGCTGACAGCGCAAGCG 537
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467 lCysMetGlyLysGlyLysProSerThrLeuThrProAsn..... 481
538 AGCAGCGCAACAGGCTTGTCAGCGCTTTCGAATACCGGTATGATGCT 587
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638 AGCTG.....GACGATCGGCAATCCCGCAGCTTCAACGGCACT 681
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506 laLeuAlaGlyAspGluAlaAlaSerAlaIaAsp..LeuAspAsn.... 520
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682 GCAGATATCGTCAAAAACATCATCGCG...CGCGAGGAGAAATTCGCG 728
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521 .ArgPheArgIysArgThrHisSerAlaGlyThrSerProThrIleThrH 537
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729 CGCAGGGGATGCGGTGCGGTATAGCGAAGCTCAACATTCGTGTTA 778
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537 tsGlnIysTrpProSerGln..... 543
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544 .....SerSe 545
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545 ValAlaSerIleGluGluThrGluMetMetProAlaTyProG 562
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879 CGATTGGCGATGCCAAACCCCAATGCCGACAAAGCATAGAACCGCTCA 928
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562 IyGlyIySerGlyIyArgLeuProGlyHis.....ArgHisSer 575
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591 .....HisProLeuGlu..... 594
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636 etSerProIySerValSerAlaProGlnIleIleAsnProIleArg 652
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seq_documentation_block:
; Sequence 2, Application US/08325267A
; Patent No. 5585271
; GENERAL INFORMATION:
; APPLICANT: WAITARI, JUNJI
; APPLICANT: TAKAYA, YOSHIHIRO
; APPLICANT: OGAWA, MASAHIRO
; APPLICANT: PENTTILA, MERJA
; APPLICANT: ONNELA, MAJJA-LEENA
; APPLICANT: KERANEN, SIRKKA
; TITLE OF INVENTION: YEAST AGGLUTINATION GENES AND YEAST
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT
; STREET: 1755 S. JEFFERSON DAVIS HWY, SUITE 400

```

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CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/325,267A
FILING DATE: 18-NOV-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP PCT/JP94/00290
FILING DATE: 24-FEB-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 38871/1993
FILING DATE: 26-FEB-1993
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 2589-023-0XPCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SRO ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 1537 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-325-267A-2

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alignment_scores:
Ratio: 111.50 Length: 399
Gaps: 23
Percent Similarity: 49.624 Percent Identity: 22.556

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alignment_block:
US-09-303-518d-465 x US-08-325-267A-2 ..
Align seg 1/1 to: US-08-325-267A-2 from: 1 to: 1537

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100 CGCGAGTTCGACCGTCGACATTCGACCCGCGGAATACCACT 149
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509 nAspThrPheThrSerThrSer.....ThGluMetThrTrp 522
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150 ATTGCGACAGAGGGGGAACCTTCCGACGCGAGGTCATTCGATTCG 199
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522 aThrGlyThrAsnGly..LeuProThrAspGluThrIleIleValIle 537
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200 GAACATATCAAAAGCCATCAGTTGGGCAACCTTTTCATCCAGAGCGCC 249
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538 ArgThr.....ProThrThrAlaThrThrAlaMetThrThrGlnPr 552
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250 ATTAAGGAA.....ATATCGGCTACATTCGCGCTTTTCGATCAAG 293
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552 oTrpAsnAspThrPheThrSerThrSerThrGluMetThrThrValThrG 569
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294 GCACGAGTCCATTCCTCCCTTCGACAAACCATGCTCATATTCGATTCG 343
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569 IyThrAsnGlyLeuProThrAspGluThr.....IleIleValIle 582
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344 ATGAAGCCGTAGTCCGCTGACG.....GA 369
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405 ACAACATCCGCGACGCGCTATGACGGGCCAGGGCGGCGCTATCCG 454
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455 CTCGCAAGGCGGAGGATATATACAGCTACGACATAAAGCGTTGCC 594
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629 ThrProThr.....ThrAlaThrThrAlaMetThrThrH 640
505 CAA.....ATATCGGCTCAACCTGACCGCAACG 536
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640 rGlnProThrPheThrPheThrSerThrSerThrGluMetThrThy 657
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587 TGACGAGGAGTATGAGGAGTTCAGGCGGCGGCGGCGGATACGCGC 636
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673ArgThrProThrAlaThrAlaMetThrThrGlnPr 687
637 GAGCTGGACAGATCGGCAATGCCGCGCAAGCTTTCAGCGCACTGCAG 686
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687 O...TriPasnAspThrPhe.....ThSerThrSerThrGluM 699
687 TATCGTCAAAACATCATCGCGCGGCGGAGAAATGTGCGCGCAGCG 736
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699 etThrThrValThrGlyThr.....AsnGly 707
737 ATGCGGTCGAGGGTATAGGAGGATCAACATGCTGTATGACGCG 786
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708 LeuPro.....ThrAspLuhrllelle... 715
787 TTGGCTGCTTCCACCGAAACAGATGCGCGCATCAGCATTTGCG 836
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716 ...ValleIleArgThrProThrThrAlaThrAlaMetThrThrG 741
837 AGATATGCGCGCAC.....TCAAGACTATGCGCGCAGCGCATCCGCG 880
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731 InProTPasnAspThrPheThrSerThrSerThrGluMetThrVal 747
881 ATTGGGAGTCCAAACCCCAATGCCGACAGGATAGAGCGCGTACG 930
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748 ThrGlyThrAsnGlyValPro.....ThraspLuh 758
931 AATATCTTACGCGATCATCCCGTCAAAAGGATGAGCTGTGCGG 980
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981 AAATATGCGCTGGCGCGCATCAGGCACTCTGTACAGCGGTGCGAGA 1030
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805 eValleIleArg...ThrProThrSerGluGlyLeuValThrThrThrg 821
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821 InProTPThrGlyThrPheThrSerThrSerThrGluMetThrThr 836
seq_name: /cgn2_6/plodata/1/1aa/6B_COMB.pep:US-09-156-836B-2
seq_documentation_block:
; Sequence 2, Application US/09156836B

Patent No. 6242585
: GENERAL INFORMATION:
: APPLICANT: Srivastava, Ranjana
: APPLICANT: Kumar, Deepak
: APPLICANT: Srivastava, Brahm Shanker
: TITLE OF INVENTION: MYCOBACTERIUM TUBERCULOSIS SPECIFIC DNA FRAGMENT
: FILE REFERENCE: U 011876-4
: CURRENT APPLICATION NUMBER: US/09/156, 836B
: PRIOR FILING DATE: 1998-09-18
: PRIOR APPLICATION NUMBER: 08/997, 897
: NUMBER OF SEQ ID NOS: 7
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 2
: LENGTH: 430
: TYPE: PRT
: ORGANISM: Mycobacterium tuberculosis
: FEATURE:
: NAME/KEY: UNSURE
: LOCATION: (4)
: OTHER INFORMATION: amino acid has not been identified
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: LOCATION: (6)
: OTHER INFORMATION: amino acid has not been identified
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alignment_scores:
Quality: 116.50 Length: 343
Ratio: 0.932 Gaps: 19
Percent Similarity: 36.443 Percent Identity: 25.948
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alignment_block:
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739 CATGCGCTGCGCGACAAATTTCTCCGCGCGCGATGATGTTTTCAGC 690
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171 LysArgCysCys.....ArgCysProSerSer 179
589 TCA.....GCATACCTACCGGATTTGGAAGCAGCGTGCAGACGCCGTGT 546
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545 CCGGTGCTGCGGTGTGGTCAAGTTGAGCGGGAATTTTGGGCAAGCC 496
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196 sarGcysCysCysArgCys.....TrpArgT 206
495 TTTATGCGTAGCGTATATATCCCTCGCGCTTTGGAG..... 455
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454 .....CGGATAGCCGCGCCGCTGCGC 432
219 **SerArgProArgSerArgSerArgArgCysSerArgArgPheG1 235
431 CCGTATAGCCGCGCGGATGGTGTCTGATCCGT..... 395
235 nAsnArgCysCysArgSerArgGlyPheArgIleArgCysCysSerPhe 252
395 ..... 395
252 roGlyPheArgAsnArgHis**IleLeuArgCysPheHisCysArgTyr 268
394 .....CCCATGGATG 384
269 **SerCysArgArgCysArgCysProArgCysPheGlyCysArgGlyCys 285
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336 GGAATGTGAG.....CATGCTGTGCAAGGGGGAATGACTT 299
302 yAsnCysArgCysTrpArgCysArgGlyCysSerArgArgProGlyLeu 318
298 CGTCCCGCTGAT.....CGAANAAGCGACATCT.. 269
319 ProGlyArgAsp**ArgProValGlyHisArgGlySileProThrCysCy 335
268 .....AGCCGATATTCCTTAAAGCGCGC 244
335 sPheArgCys**ArgSerProArgSerArgProAlaLeu**TrpProP 352
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352 roGly.....SerCys**ThrAsnProIleArgCysCysProser 365
194 .....CCGATATGACCGCTGCGCTCGGCAAGTCCCCCTGCTGCC 154
366 ***SerArgProIle...ProAlaArg.....ProArgLeuP 377
153 GAATAGCTGATTTCCGCTGCGGTGCAATGCTGAGCGTGCAGACCT 104
377 og1yArgSerTyrArgTyrProProThrIlySerSerIlyArgSerGlnAsnC 394
103 GCCGATAAAGAAATCGTTTGCCAAATCT 75
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394 yStrPHisArgSerSerGlySerArgThr 403

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seq_documentation_block:
Sequence 40, Application US/08616844
Patent No. 5849578
GENERAL INFORMATION:
APPLICANT: FALB, DEAN A.
TITLE OF INVENTION: COMPOSITION AND METHODS FOR THE
TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESS: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/08/616,844
 FILING DATE: 15-MAR-1996
 CLASSIFICATION: 800
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/599,654
 FILING DATE: 09-FEB-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/485,573
 FILING DATE: 07-JUN-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/386,844
 FILING DATE: 10-FEB-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: CORUZZI, LAURA A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7853-053
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-8864
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 40:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1481 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: unknown
 MOLECULE TYPE: protein
 US-08-616-844-40

alignment_scores:
 Quality: 110.50 Length: 380
 Ratio: 0.617 Gaps: 17
 Percent Similarity: 47.105 Percent Identity: 20.263

alignment_block:
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Align seg 1/1 to: US-08-616-844-40 from: 1 to: 1481

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249 CATTAAAGAAATGCGGTACATGTCGCGTTT..... 283
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707 lAArgSerSerSerSerSerSerSerSerSerSerSerSer 723
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740 eAsnMetProAsnThrSerValValLeuAsp.....ThrA 752
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seq_documentation_block:
 ; Sequence 40, Application US/08599654
 ; Patent No. 5882925
 ; GENERAL INFORMATION:
 ; APPLICANT: PALB, DEAN A
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
 ; TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
 ; NUMBER OF SEQUENCES: 54
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESSEE: PENNIE & EDMONDS
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York

STATE: New York
COUNTRY: USA
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/599,654
FILING DATE: 09-FEB-1996
CLASSIFICATION: 800
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/485,573
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/386,844
FILING DATE: 10-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: CORUZZI, LAURA A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7853-041
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864
TELEX: 66141 PENNTE
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 1481 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-599-654-40

alignment_scores:
Quality: 110.50 Length: 380
Ratio: 0.617 Gaps: 17
Percent Similarity: 47.105 Percent Identity: 20.263

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Align seg 1/1 to: US-08-599-654-40 from: 1 to: 1481

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249 CATTAAAGGAATATCGGTATATGTCGCTTTT..... 283
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707 IuTySerSerAsnIleSerSerTyAspGlyIuTyAlaGlnProSerThr 723
284CCGATCAGCGGACGAGAGTCATCC.....CCTTGAC 318
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369 ATTGACGCTTTACCGCATTCATGGAGGAGATACGAACACCATCCGCG 418
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840GlnSerSerThrProValLeuProArgAlaArgLeu.....T 853
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886 nGluLysValIleThrGlnSerSerProSerLeuValSerLeuProT 903
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903 hrGluSerThrLys.....AlaValThrThrAsnSerProLeuProPro 917
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1097 CCA.....AATACCGCTCCCTTACCATTCGCAATAATACGT 1134
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957 ProGlyThrLeuSerSerThrAlaSerLeuValThrGlyProIleAlaIa 973
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seq_name: /cgn2_6/ptodata/1/1aa/6a_COMB.pep:US-08-944-868a-40
seq_documentation_block:
: Sequence 40, Application US/08944868a
: Patent No. 6018025
: GENERAL INFORMATION:
: APPLICANT: FALB, DEAN A
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE


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seq_documentation_block:
; Sequence 40, Application US/08944423A
; Patent No. 6020463
; GENERAL INFORMATION:
; APPLICANT: FALB, DEAN A
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF CARDIOVASCULAR DISEASE
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/944,423A
; FILING DATE: 06-OCT-1997
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/599,654
; FILING DATE: 09-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/485,573
; FILING DATE: JUN-07-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/386,844
; FILING DATE: 10-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: CORUZZI, LAURA A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7853-105
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1481 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-944-423A-40

alignment_scores:
Quality: 110.50 Length: 380
Ratio: 0.617 Gaps: 17
Percent Similarity: 47.105 Percent Identity: 20.263

alignment_block:
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Align seg 1/1 to: US-08-944-423A-40 from: 1 to: 1481

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690 eSerAsnSerSerSerSerSerSerSerSerSerSerSerSerSerSer 707
249 CATTAAGGAATATCGGCTACATTCGCGCTTT..... 283
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Ratio: 0.932 Gaps: 19
Percent Similarity: 36.443 Percent Identity: 25.948

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589 TCA.....GCATCTACCGCTATTGTGAACGCTGACACAGCCGTGT 546
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196 SarArgCysCysCysArgCys.....TrpArgT 206
495 TTTATGTCGTAGCTGTATATATCCCTGCGCCCTTGGAG..... 455
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206 hrArgCysCysCysCys.....ArgCysTrpGlnSerLeuGly 218
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219 **SerArgProArgSerArgSerArgArgCysSerArgArgArgPheG 235
431 CCGTCATAGCGGTGCGGGGATGTTGCTATCCGT..... 395
235 nasArgCysCysArgSerArgGlyPheArgIleArgCysCysSerPheP 252
395 395
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394CCCATGGATG 384
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269 ***SerCysArgArgCysArgArgCysPheIlyCysArgIlyCys 285
383 CGGT...AAGGCTGAATCCGTAACGGGACACCGCTTCATCAGAAATC 337
285 sarGcysgIlyCys***serIlsarGalpheaIlyCysArgIlyCysC 302
336 GGAATGTAGG.....CATGGTTGTCAAGGGGGAATGACATT 299
302 ysAsnCysArgCysTTPArgCysArgIlyCysSerArGalpGrogIlyLeu 318
298 CGAGCCCGCTAT.....CGCAAAAGCGCAAAATCT.. 269
319 ProGlyArgAsp***ArgProValGlyHisArgIlyLeuProThrCysCys 335
268 .....AGCGATATTTCCTTAAATGGCCGC 244
335 sPheaIlyCys***ArgSerProArgSerArgProAlaLeu***TTPPro 332
243 CTGCTGGATGAACAGTTGCCCACTGATGCTTGTATGTTCCCAAT. 195
352 roGly.....SerCys***ThrAsnProIleaArgCysCysProSer 365
194 .....CCGATATGACCGCTGCGCTCGGCAAGTTCCCGCTGCTGCC 154
366 ***SerArgProIle...ProAlaArg.....ProArgLeuPr 377
153 GAATAGGTGATTTCCCGTGGGTTGCAAAATGCTGACGGTGCAGAACT 104
377 OGlyArgSerTyrArgTrpProProIlySerGlyArgSerGlnAsnC 354
103 GCCGATAAAGATCGTTGCCAAATCT 75
394 ystrpHisArgSerSerGlySerArgThr 403

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seq_documentation_block:

Sequence 24, Application US/09035648

Patent No. 6100031

GENERAL INFORMATION:

APPLICANT: Shyjan, Andrew W.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE

TITLE OF INVENTION: DIAGNOSIS, PREVENTION, AND TREATMENT OF NEOPLASTIC CELL

TITLE OF INVENTION: GROWTH AND PROLIFERATION

NUMBER OF SEQUENCES: 24

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson, P.C.

STREET: 225 Franklin Street

CITY: Boston

STATE: MA

COUNTRY: US

ZIP: 02110-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows95

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/035,648

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/818,829

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Melikejohn, Ph.D., Anita L.

REGISTRATION NUMBER: 35,283

REFERENCE/DOCKET NUMBER: 07334/003001

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-542-5070

TELEFAX: 617-542-8906

TELEX: 200154

INFORMATION FOR SEQ ID NO: 24:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 739 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: Internal
; US-09-035-648-24

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alignment_scores:

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Quality: 111.50 Length: 528
Ratio: 0.489 Gaps: 28
Percent similarity: 43.182 Percent identity: 21.591

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alignment_block:

US-09-303-518d-465 x US-09-035-648-24

Align seg 1/1 to: US-09-035-648-24 from: 1 to: 739

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324 TGCTTCACATTCG.....ATT 340
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224 AsnIleGlnArgMetValProMetAsnArgThrAlaIlyAsnProPheProGln 240
385 ATTCATTTGGGAGCAGATACGACACCATCCCGCGGCGCTATGACGGCC 434
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785 GCTTGGGTGCTGCTTTCACCGAAACAGATGCGCGCATCAACGATTGTC 834
326 .....ArgThrGlyIleLeuGln 331
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923 CCGTCACCAATATCTTACGGCAGTCATCCCGCTCAAG...GGATTGA 969
354 ProLLeuSerLeuSerLeuGlnSerGluGlyLysArgGlyThrG 370
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370 yAlaGlyLysPse.....GlyProGluGluAspTyrLeuSer 384
1020 GCGGTCCGAGA.....TGGCGGATCGCATTCGCCGAAAGGA 1057
384 euglyAlaGluAlaCyAsnPheMetClnSerSerSerAlaLysGlnLys 400
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417 nProValThr...ProValSerProVal.....TTPSerProGlyVal 431
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431 La...ProThrGlnProProAlaPheProThrSerAsnProSerLysGly 446
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447 ThrValValSerSerIleTyrIleAlaGlnProSerTyrProProAla 463
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578 eTyrProLeuAlaAlaLeuLysSerGlnProSerAlaAlaGlnProSer 594
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seq_name: /cgn2_6/plodata/1/laa/6B_COMB pep: US-09-001-951-24
seq_documentation_block:
: Sequence 24, Application US/09001951
: Patent No. 6268470
: GENERAL INFORMATION:
: APPLICANT: Shyan, Andrew W.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
: TITLE OF INVENTION: DIAGNOSIS, PREVENTION, AND TREATMENT OF NEOPLASTIC CELL
: TITLE OF INVENTION: GROWTH AND PROLIFERATION
: NUMBER OF SEQUENCES: 24
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Fish & Richardson, P.C.
: STREET: 225 Franklin Street
: CITY: Boston
: STATE: MA
: COUNTRY: US
: ZIP: 02110-2804
: COMPUTER READABLE FORM:
: MEDIUM TYPE: diskette
: COMPUTER: IBM compatible
: OPERATING SYSTEM: Windows95
: SOFTWARE: FastSeq for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/001,951
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/818,829
: FILING DATE: 14-MAR-1997
: APPLICATION NUMBER: 60/013,438
: FILING DATE: 15-MAR-1996
: ATTORNEY/AGENT INFORMATION:
: NAME: Melkielejohn, Ph.D., Anita L.
: REGISTRATION NUMBER: 35,283
: REFERENCE/DOCKET NUMBER: 07334/003001
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 617-542-5070
: TELEFAX: 617-542-8906
: TELEX: 200154
: INFORMATION FOR SEQ ID NO: 24:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 739 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: FRAGMENT TYPE: Internal
: US-09-001-951-24

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alignment_scores:
Quality: 111.50 Length: 528
Ratio: 0.489 Gaps: 28
Percent Similarity: 43.182 Percent Identity: 21.591

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alignment_block:

US-09-303-518d-465 x US-09-001-951-24 ..

Align seg 1/1 to: US-09-001-951-24 from: 1 to: 739

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227 ACCTGTCATCCACGAGCGCATTAAGGAATATCGCTACATTTGC 276
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seq documentation block:
; Sequence 20, Application US/09367206
; Patent No. 6326482
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; TITLE OF INVENTION: NSP Molecules
; FILE REFERENCE: P1223RIE
; CURRENT APPLICATION NUMBER: US/09/367,206
; CURRENT FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: PCT/US99/08847
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: US 60/082,767
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: US 60/113,296
; PRIOR FILING DATE: 1996-12-22
; NUMBER OF SEQ ID NOS: 35
; SEQ ID NO 20
; LENGTH: 688
; TYPE: PRT
; ORGANISM: Homo Sapiens
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Quality: 109.50 Length: 240
Ratio: 0.928 Gaps: 14
Percent Similarity: 49.167 Percent Identity: 25.833

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alignment_block:

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Align seg 1/1 to: US-09-367-206-20 from: 1 to: 688

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215 ArgAspSerIleArgSerCysAlaLeuSerMetAspGlnIleProAsp 231
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; Sequence 2, Application US/08713118
; Patent No. 6040436
; GENERAL INFORMATION:
; APPLICANT: Franco, Rodrigo
; APPLICANT: Sun Chen, Ai Ku

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? APPLICANT: Sney, David J.
? TITLE OF INVENTION: NUCLEIC ACID ENCODING HUMAN NEURONAL
? TITLE OF INVENTION: CALCIUM CHANNEL SUBUNITS
? NUMBER OF SEQUENCES: 6
? CORRESPONDENCE ADDRESS:
? ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.
? STREET: Two Millia Drive
? CITY: Lexington
? STATE: MA
? COUNTRY: USA
? ZIP: 02173-4799
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: PatentIn Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/713,118
? FILING DATE: 16-SEP-1996
? CLASSIFICATION: 435
? ATTORNEY/AGENT INFORMATION:
? NAME: Mata, Elizabeth W.
? REGISTRATION NUMBER: 38,236
? REFERENCE/DOCKET NUMBER: ACC96-01
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 617-861-9540
? TELEFAX: 617-861-9540
? INFORMATION FOR SEQ ID NO: 2:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 2337 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? US-08-713-118-2

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; Sequence 2, Application US/09452007
; Patent No. 6140485
; GENERAL INFORMATION:
; APPLICANT: Franco, Rodrigo
; APPLICANT: Sun Chen, Ai Ru
; APPLICANT: Suey, David J.
; TITLE OF INVENTION: NUCLEIC ACID ENCODING HUMAN NEURONAL
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Millitia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173-4799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/452,007
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/713,118
; FILING DATE: 16-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Mata, Elizabeth W.
; REGISTRATION NUMBER: 38,236
; REFERENCE/DOCKET NUMBER: ACC96-01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240

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TELEFAX: 617-861-9540
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
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 US-09-452-007-2

alignment_scores:
 Quality: 108.50 Length: 557
 Ratio: 0.424 Gaps: 36
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alignment block:
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seq_documentation_block:
; Sequence 2, Application US/09404650
; Patent No. 6309858
; GENERAL INFORMATION:
; APPLICANT: Dietrich, Paul S.
; APPLICANT: McGivern, Joseph G.
; TITLE OF INVENTION: T-TYPE CALCIUM CHANNEL VARIANTS; COMPOSITIONS THEREOF;
; FILE REFERENCE: R0043B-REG sequence listing
; CURRENT APPLICATION NUMBER: US/09/404,650
; CURRENT FILING DATE: 1999-09-23
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentl Ver. 2.0
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US-09-404-650-2
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1100 AATA.....CCCGTCCCGCTTACCATTCGCCGAATATCCGTTCAAC 1140
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seq_documentation_block:
; Sequence 4, Application US/09404650
; Patent No. 6309858
; GENERAL INFORMATION:
; APPLICANT: Dietrich, Paul S.
; APPLICANT: McGivern, Joseph G.
; TITLE OF INVENTION: T-TYPE CALCIUM CHANNEL VARIANTS; COMPOSITIONS THEREOF;
; FILE REFERENCE: R0043B-REG sequence listing
; CURRENT APPLICATION NUMBER: US/09/404,650
; CURRENT FILING DATE: 1999-09-23
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentl Ver. 2.0
; SEQ ID NO 4
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; LENGTH: 2188
 ; TYPE: prt
 ; ORGANISM: Homo sapiens
 us-09-404-650-4

alignment_scores:
 Quality: 108.00 Length: 360
 Ratio: 0.651 Gaps: 21
 Percent Similarity: 46.111 Percent Identity: 26.944

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Align seg 1/1 to: us-09-404-650-4 from: 1 to: 2188

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220 TTGGGCAACCTGTTTCATCCAGACGAGGGCCATTAAAGAAATATCGGCTA 269
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1913 .....ProPheSerProAspAlaSerSerProLeuLeuProMetProAl 1927
370 TTGAGCCTTACCGCATCAT.....G 392
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393 GGAGCGATAGCAACACCATCCCGCGATATGACGGGCGCAC..... 436
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